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		E	BUDGET ITE	M JUSTIFICA P-40	ATION SHEE	Т			DATE:	Eobrus	ary 2004	
APPROPRIATION/BUD	GET ACTIVIT	Υ		F-4U			P-1 ITEM NOM	ENCLATURE		гениа	ry 2004	
OTHER PROCURE	MENT, NA	VY BA-3	: NAVY/AVI	ATION SUPP	ORT EQUIP	MENT	Airborne Mine	Countermeas	ures BLI # 424	800		
Program Element for Co	ode B Items:	0604373	BN				Other Related I	Program Eleme	nts			
								0204302N				
	Prior Years	ID Code	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
QUANTITY												
COST (In Millions)		В		\$17.7	\$2.5	\$73.1	\$67.8	\$160.0	\$162.6	\$168.2	Cont.	Cont.
SPARES COST (In Millions)				\$3.6	\$1.1	\$4.1	\$3.5	\$8.0	\$5.6	\$2.3	Cont.	Cont.

Airborne Mine Countermeasures (AMCM) Equipment is currently used by MH-53E helicopters to counter the threat of sea mines. The MH-60S helicopter will be adapted for the AMCM mission in suppport of the development of an Organic Fleet AMCM program. The equipment is divided into two broad categories -- minesweeping and minehunting. (1) Minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting, the object is to actually locate and classify minelike objects (usually by means of high resolution sonar) and mark or neutralize mines using explosive devices. AMCM squadrons currently have mechanical, magnetic, and acoustic sweeping capabilities, and mine surveillance and marking capabilities. Their mission is to locate, classify and neutralize moored and bottom mines.

- S0020 Funds provided are for the modification of systems to accommodate replacement of subsystems/components because of obsolescence. ECP's are analyzed, prioritized and screened to accommodate replacement of subsystems/components. Funding for this effort is designated in all fiscal years.
- S0061 The MK-105 Mod 4 magnetic minesweeping system is a hydrofoil platform that carries a turbo-generator power pack and is towed by a MH-53E helicopter, allowing for safe, high speed sweeping of coarse magnetic influence mines at twice the output of the current MK-105. The technological upgrade increases supportability, reliability and maintainability (R&M), and increases operational effectiveness.
- S0065 Airborne Mine Neutralization System (AMNS) is an expendable remote controlled neutralizer vehicle deployed from the helicopter platform to reacquire, identify, and neutralize moored or proud bottom sea mines. FY 2002 FY 2003 procurements supports the MH-53E airframe.
- S0073 AN/AQS-20 funding provided in FY 2002 supports Limited Production (MH-53E) . FY 2003 funding for AN/AQS-20 towed bodies which support the current MH-53E program and would convert efficiently to the MH-60S/AN/AQS-20A program by later modification. The AN/AQS-20 will provide a minehunting deployment contingency capability to the MH53E.
- S0074 AN/AQS-20/X Nomenclature designation assigned MAY 02) funding provided in FY 2004 FY 2005 includes a sonar for mine detection, classification and identification. The Navy does not possess a capability to conduct high speed minefield reconnaissance to determine mine density and location. The AN/AQS-20A will be procured to address the emergent requirement for mine identification and to integrate AMCM systems with a MH-60S platform.
- S0075 Airborne Laser Mine Detection System (ALMDS), AN/AES-1 is a light detection and ranging (LIDAR) system for rapid detection, classification, and localization of floating and near surface tethered mines. It will be deployed on the MH-60S helicopter as part of the OAMCM suite of systems.
- S0076 Organic Airborne and Surface Influence Sweep (OASIS) will provide a self-contained, high speed, multi-function mine sweep capability, towed by the MH-60S helicopter and potential surface craft.

P-1 SHOPPING LIST

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET		DATE:
P-40		February 2004
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
OTHER PROCUREMENT, NAVY BA-3: NAVY/AVIATION SUPPORT EQUIPMENT	Airborne Mine Countermeasu	ures BLI # 424800
Program Element for Code B Items: 0604373N	Other Related Program Elemen	nts
	0204302N	

Code B items		OT	DT	TDP	PDM
AMNS (MH-53E)*	PE #0604373N	N/A	1Q/03	N/A	N/A
AMNS (MH-60S)	PE #0604373N	1Q/06	3Q/05	4Q/05	4Q/05
ALMDS	PE #0604373N	2Q/05	4Q/04-1Q/05	2Q/04	4Q/04
OASIS	PE #0604373N	1Q-2Q/FY06	1Q/05-3Q/05	4Q/FY06	1Q/FY06
AN/AQS-20A	PE #0604373N	3Q/05	4Q/04	2Q/04	2Q/05

^{*} Based on designation as a Rapid Deployment Capability (RDC) system, a Quick Reaction Assessment (QRA) will be conducted in 2Q/04.

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	WEAPONS SYSTEM O P-5	OST AN	IALYSIS			Weapon Sy	stem							DATE: ebruary 20	04
	RIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM N	OMENCLATU	RE/SUBHEAD						
	ocurement, Navy/BA-3:							A :l.	Mi	O		7000			
NAVY/A	VIATION SUPPORT EQUIPMENT		TOTAL COS	T INI THOLIC	ANDS OF DOI	В		Airbo	orne Mine	Counterr	neasures/	7350			
				I IN THOUS		LLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2002			FY 2003			FY 2004			FY 2005	
OODL		Code	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S0020	MODIFICATION	А							2,085			2,505			3,824
S0061	MK-105 Mod 4 SUPPORT EQUIPMENT CONVERSION S0061 TOTAL	A													
S0065	Unit Cost - AMNS Unit Cost - NEUTRALIZERS SUPPORT EQUIPMENT ILS/PUBS/TECH DATA TRAINING EQUIPMENT S0065 TOTAL	В					2	1,169	2,337 0 200 57 0 2,594						
S0073	Unit Cost - AQS-20 NON-RECURRING ENGINEERING ENGINEERING CHANGE PROPOSALS ILS/PUBS/TECH DATA TRAINING EQUIPMENT S0073 TOTAL	A					2	5,654	11,308 0 0 857 896 13,061						
S0074	Unit Cost - AQS-20A NON-RECURRING ENGINEERING SUPPORT EQUIPMENT ILS/PUBS/TECH DATA TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES S0074 TOTAL	В											6	7,400	44,400 825 730 760 125 910 200 47,950
	Cultural								47.740			0.505			F4
DD FORM	Subtotal 2446, JUN 86	D 4 CH	OPPING LIST						17,740			2,505 CLASSIFICA			51,7

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ITEM NO.

	WEAPONS SYSTEM P-5		NALYSIS			Weapon Sy	stem							DATE: ebruary 20	04
Other Pr	RIATION/BUDGET ACTIVITY COCUREMENT, Navy/BA-3:					ID Code	P-1 ITEM N	OMENCLATU				7260			
NAV Y/A	VIATION SUPPORT EQUIPMENT		TOTAL COS	T IN THOUS	ANDS OF DO	B LLARS		AIrD	orne Mine	Counter	neasures/	7350			
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2002			FY 2003			FY 2004			FY 2005	
CODE		Code	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S0075	Unit Cost - ALMDS LRIP NON-RECURRING ENGINEERING SUPPORT EQUIPMENT ILS/PUBS/TECH DATA TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES S0074 TOTAL	В											4	4,149	16,597 1,807 396 601 204 1,252 450 21,307
DD FORM	Subtotal 2446, JUN 86	P-1 SH	OPPING LIST						17,740			2,505 CLASSIFICA	TION:		73,081

PAGE NO.

CLASSIFICATION:

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BUDGET PROCUREM	ENT HISTO	RY AND PL	ANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
								Fe	ebruary 2	004
B. APPROPRIATION/BUDGET Other Procurement, N BA-3: NAVY/AVIATIOI	lavy	EQUIPMEN	NT		C. P-1 ITEM NON BLI 424800	MENCLATURE Airborne Mine Countermeas	sures		73	SS0
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FISCAL YEAR (03) AQS-20 - S0073 AMNS - S0065	2 2	5,654 1,169	NAVSEA NAVSEA	10/02 12/02	OPTION OPTION	RAYTHEON, PORTSMOUTH, RI LM/STN ATLAS, SYRACUSE, NY	7/03 5/03	6/05 5/04	YES YES	
FISCAL YEAR (04)										
FISCAL YEAR (05) AQS-20A - S0074 ALMDS - S0075	6 4	7,400 4,149	NAVSEA NAVSEA	04/04 05/04	SS/FP C/FP	RAYTHEON, PORTSMOUTH, RI UNKNOWN	4/05 11/04	3/07 12/05	YES YES	
D PEMARKS										

D. REMARKS

FY02 was a LRIP from a AN/AQS-20 PDM decision SEPT 00. FY03 provides AN/AQS-20 towed bodies.

FY02 and FY03 AMNS funding were used to procure a total of seven Rapid Deployment Capability (RDC) systems from an ADM dated 7 Apr 03.

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FY 2000/01 BUDGET PRODUC			DULE	E, P-2	1													DATE			Fe	bru	iary	/ 20	04					
APPROPRIATION/BUDGET ACT													We	apon	Sys	stem		P-1	ITEI	M N	OMI	ENC	LAT	URI	=					
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		Raytheon, Portsmouth, RI 1																												
AN/AQS-20 (Towed Body) MH53	Rayth	Raytheon, Portsmouth, RI 1				12		26			3			1			23			23			23			Е				
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Remarks: FY01 & FY02 received LRIP approval September 00. FY 03 is AN/AQS-20 Towed Bodies.

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST
311 / 244 ITEM NO 98 PAGE 6

FY 2000/01 BUDGET PRODUC			DULE	, P-21	1													DATE			Fe	bru	uary	y 20	04					
APPROPRIATION/BUDGET AC													We	apon	Sys	tem		P-1	ITE	ΜN	ОМІ	ENC	LAT	URI						
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AN/AQS-20 (Towed Body) MH5	3 Rayti	neon,	Portsi	nouth,	KI	1		12		26			3			1			23			23			24			<u> </u>		
																														
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Previous editions are obsolete

P-1 SHOPPING LIST

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FY 2000/01 BUDGET PRODU	CTION	SCHE	DULE	E, P-2	1												DA	TE		F	ebru	uar	y 20	004					
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Remarks: FY02 AMNS procured five MH-53E systems.

FY03 AMNS procured two MH53E systems

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FY 2000/01 BUDGET PRODUC			DULE	E, P-2	1													DATE					uar							
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